



HAL
open science

Development of an untargeted workflow for the identification of new lipids by mass spectrometry analysis

Ramiz Khaled, Cyrielle Clement, Julia Soullier, Anaëlle Durbec, Guillaume Marti, Yann Guitton, Emilien Jamin, Pauline Le Faouder, Justine Bertrand
Michel

► To cite this version:

Ramiz Khaled, Cyrielle Clement, Julia Soullier, Anaëlle Durbec, Guillaume Marti, et al.. Development of an untargeted workflow for the identification of new lipids by mass spectrometry analysis. 16eme JS RFMF, Jun 2024, Saint-Malo, France. . hal-04815051

HAL Id: hal-04815051

<https://hal.science/hal-04815051v1>

Submitted on 2 Dec 2024

HAL is a multi-disciplinary open access archive for the deposit and dissemination of scientific research documents, whether they are published or not. The documents may come from teaching and research institutions in France or abroad, or from public or private research centers.

L'archive ouverte pluridisciplinaire **HAL**, est destinée au dépôt et à la diffusion de documents scientifiques de niveau recherche, publiés ou non, émanant des établissements d'enseignement et de recherche français ou étrangers, des laboratoires publics ou privés.

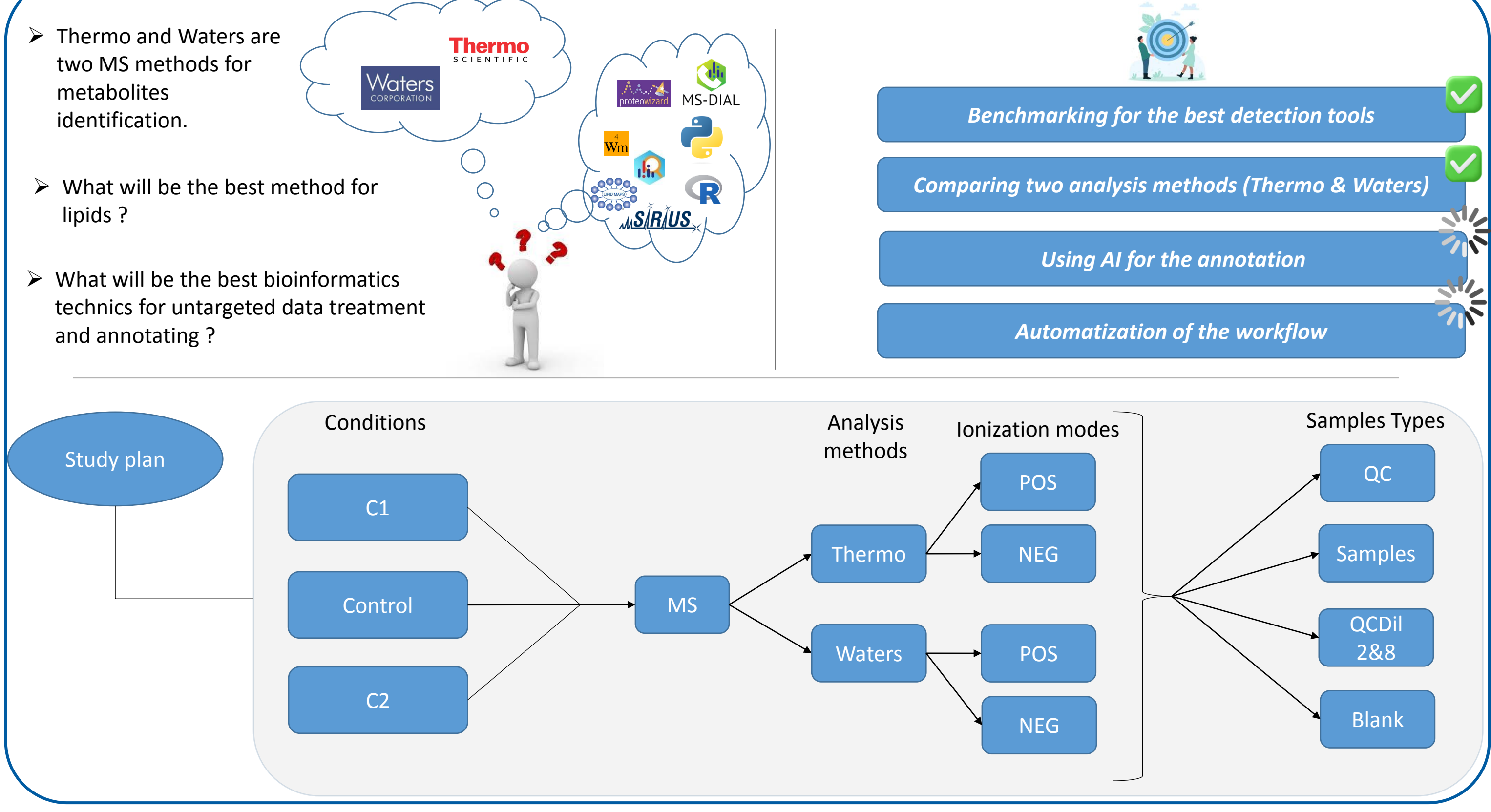


Ramiz Khaled^{1,2,*}, Nico^{1,2,*}, Cyrielle Clement^{1,*}, Julia Soullier^{1,*}, Anaëlle Durbec^{1,*}, Guillaume Marti^{4,*}, Yann Guitton⁵, Emilien Jamin⁶, Pauline Le Faouder^{1,*}, Justine Bertrand Michel^{1,*}

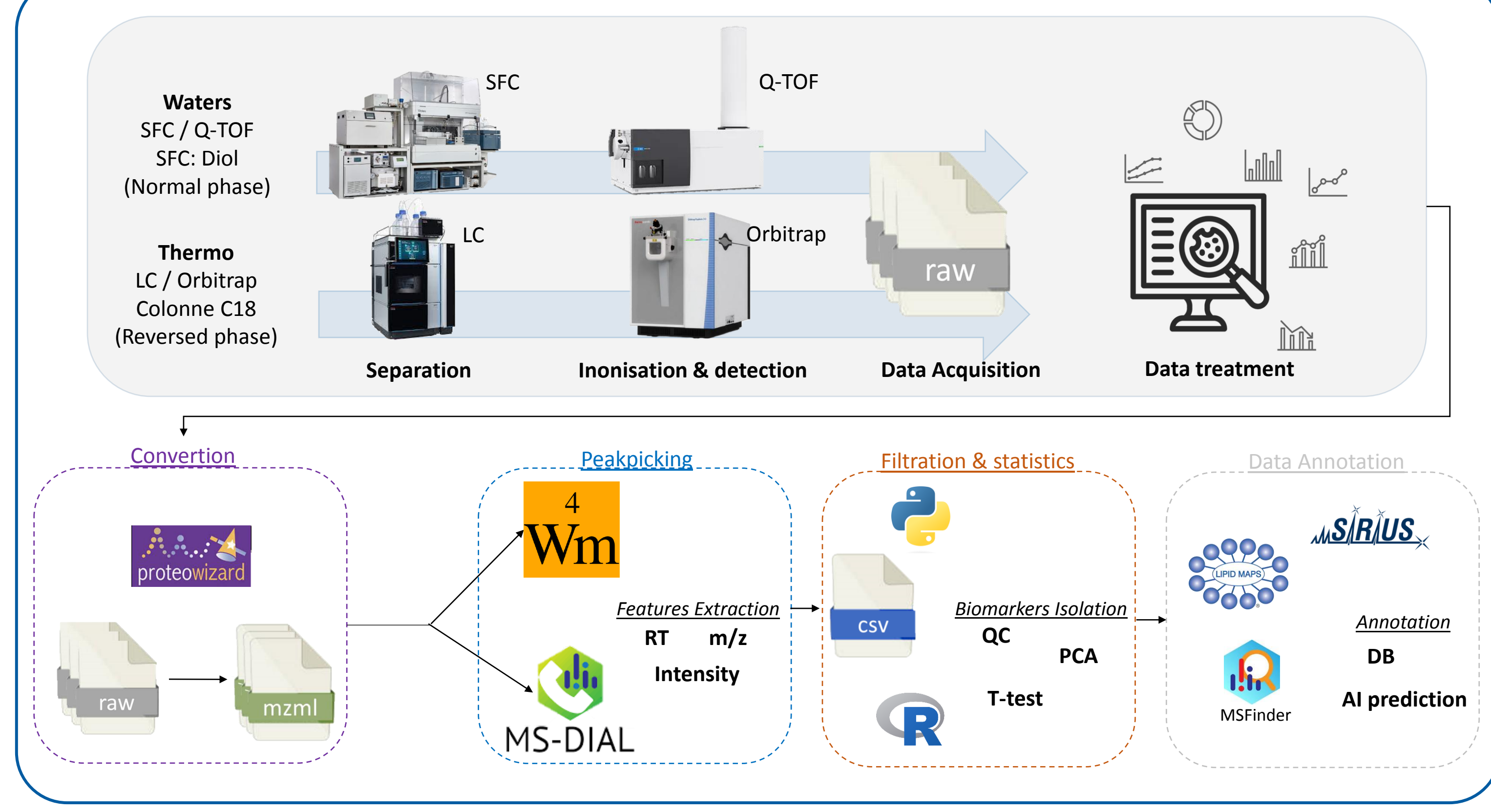
MetaboHUB-MetaToul¹, National Infrastructure of Metabolomics and Fluxomics, Toulouse, 31077, France, Lille University²



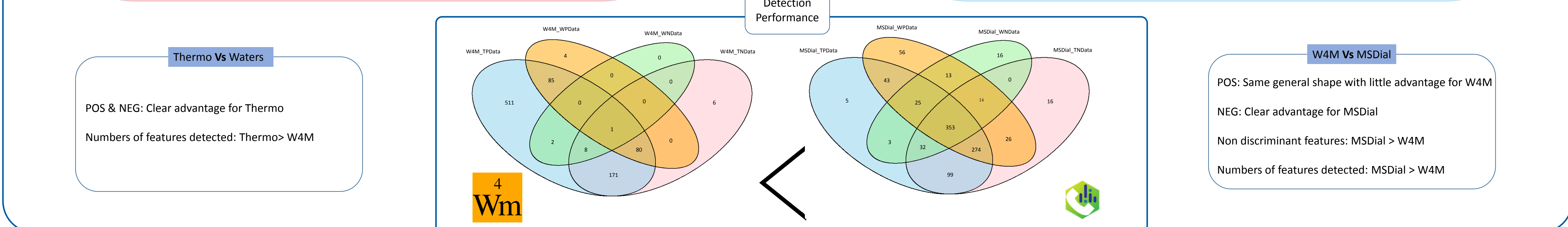
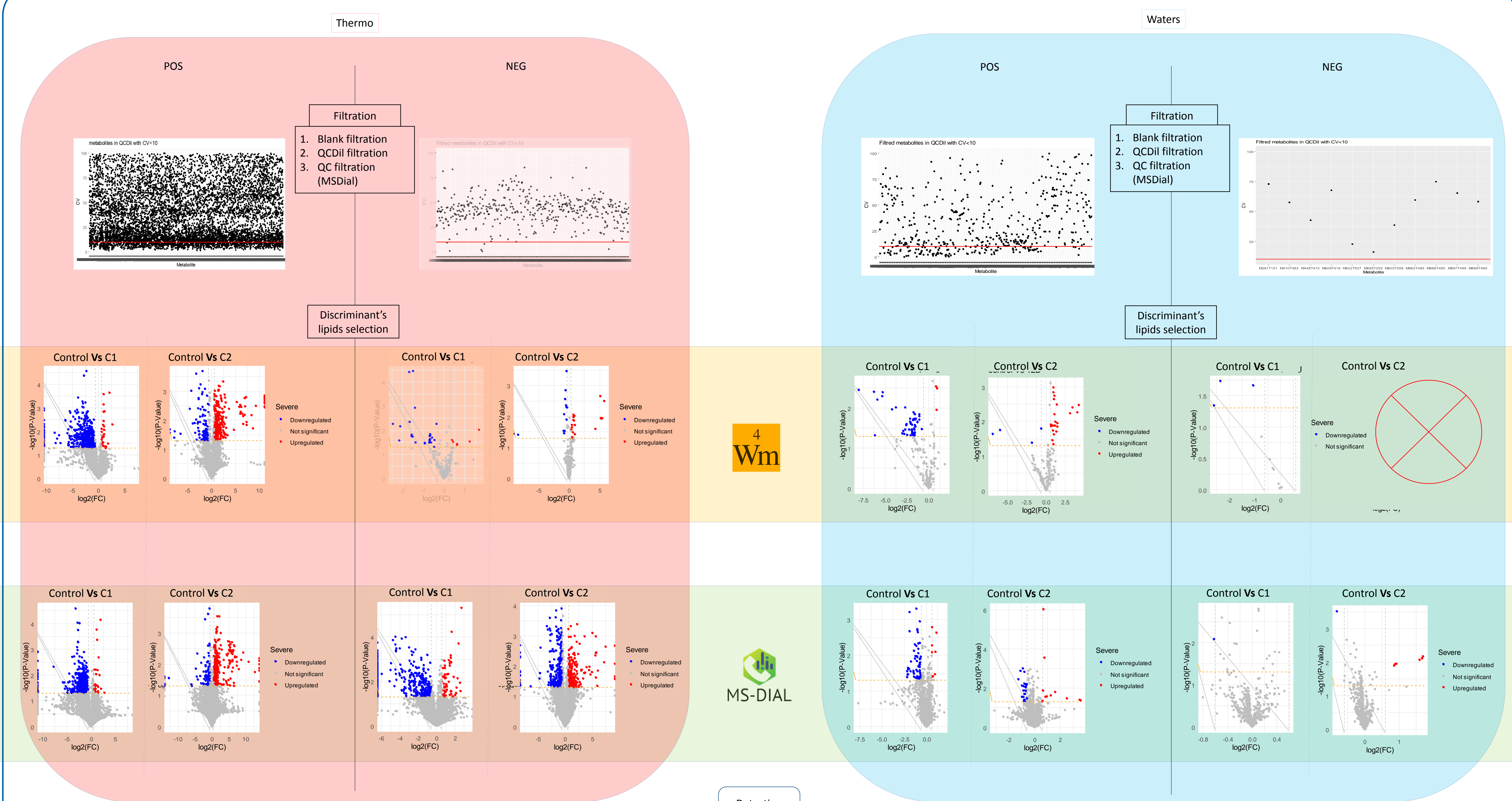
Introduction



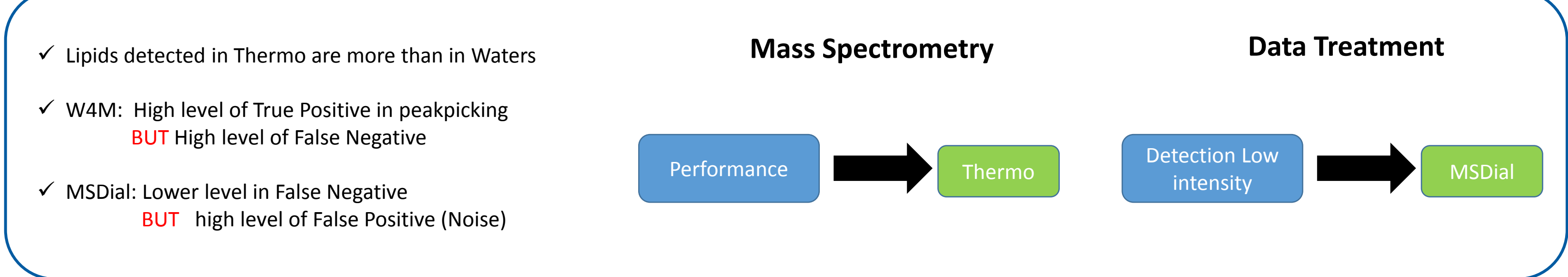
Material and methods



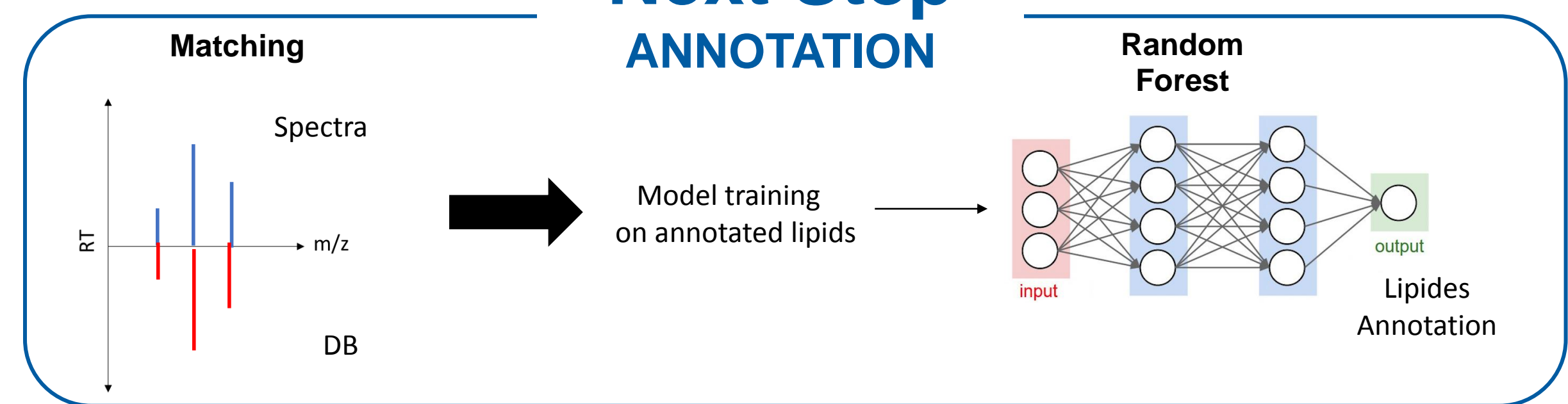
Results and discussion



Conclusions



Next Step ANNOTATION



References

- [1] W4M (Frank et al. 2015)
- [2] MSDial (Tsugawa et al. 2015)
- [3] Proteowizard (Kessner et al. 2008)
- [4] XCMS (Smith et al. 2006)
- [5] Lipids extraction (Folch et al.2016)

Acknowledgments

- [1] Justine BERTRAND-MICHEL
- [2] Cyrielle Clément
- [3] Julia Soullier
- [4] Pauline Le Faouder
- [5] Anaëlle Durbec
- [6] Guillaume Marti
- [7] Yann Guitton
- [8] Emilien Jamin